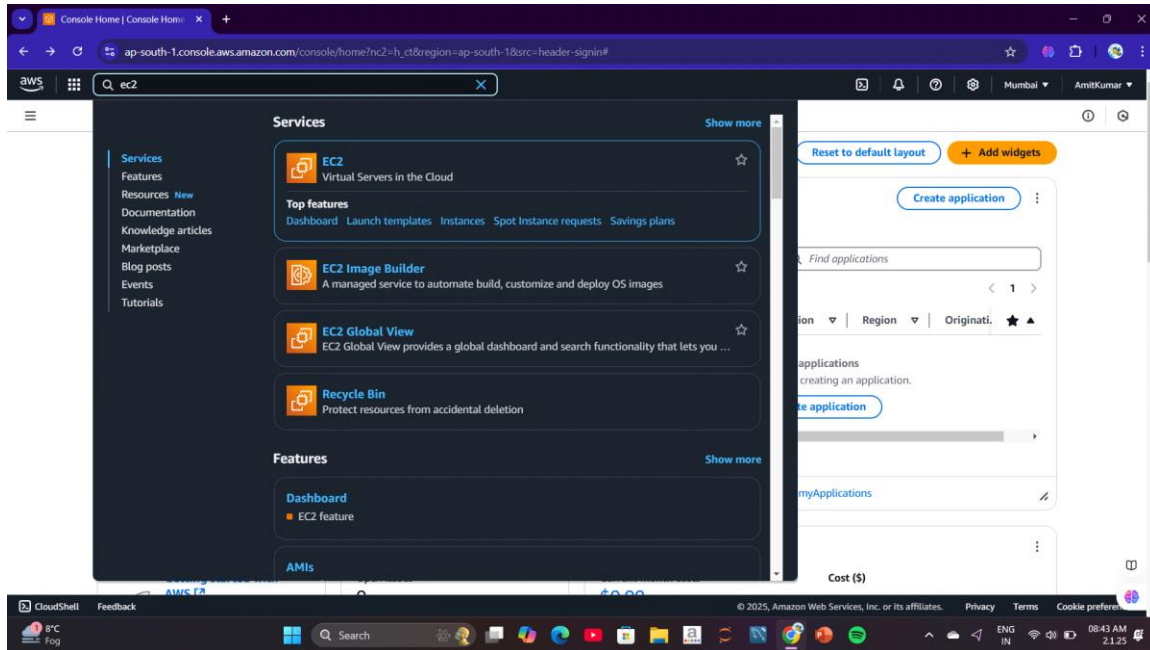
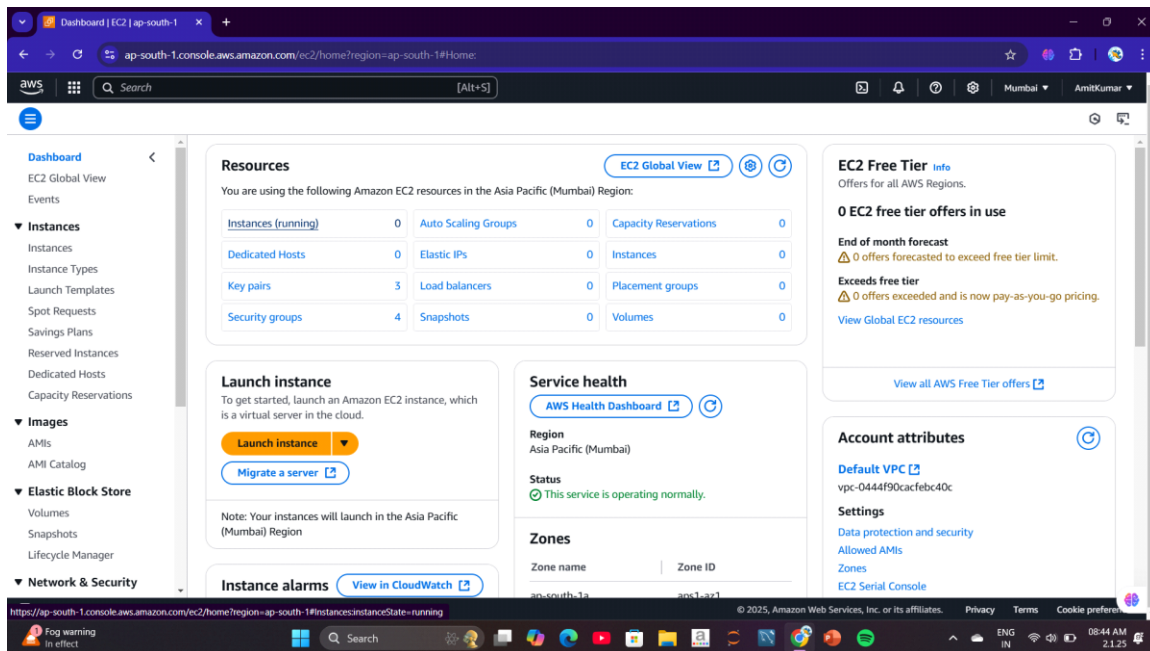


Amazon Web Service

Step 1:



Step : 2



Step:3

Launch an instance [Info](#)

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

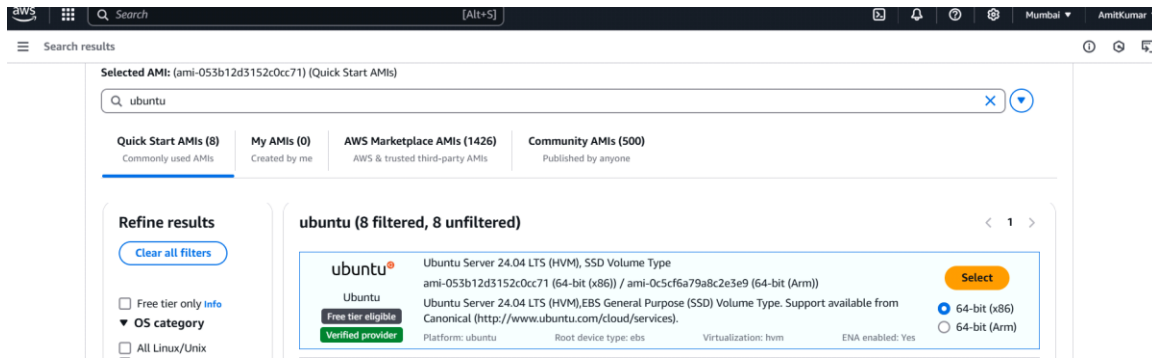
Name and tags [Info](#)

Name

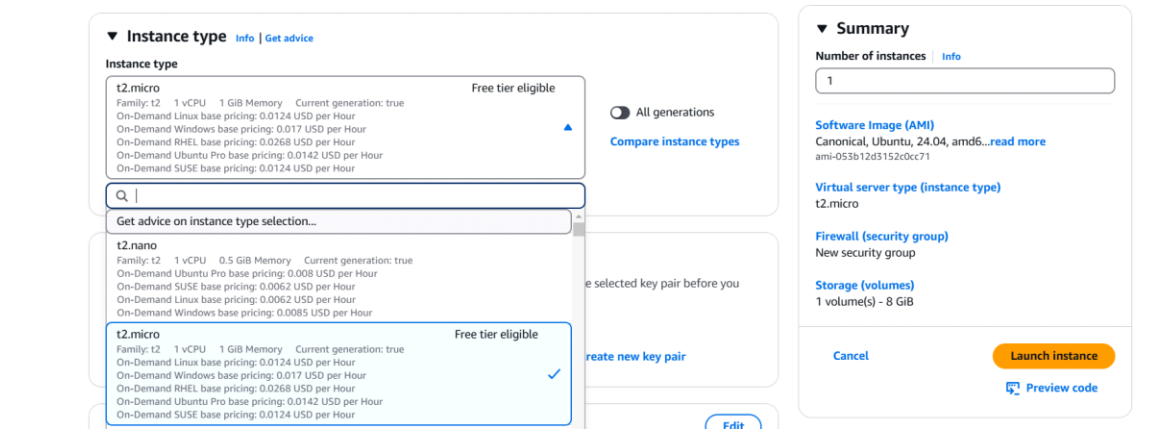
Amit-instance

[Add additional tags](#)

Step:4



Step:5



Step:6

Create key pair



Key pair name

Key pairs allow you to connect to your instance securely.

amitds

The name can include up to 255 ASCII characters. It can't include leading or trailing spaces.

Key pair type



RSA

RSA encrypted private and public key pair



ED25519

ED25519 encrypted private and public key pair

Private key file format



.pem

For use with OpenSSH



.ppk

For use with PuTTY



When prompted, store the private key in a secure and accessible location on your computer. **You will need it later to connect to your instance.** [Learn more](#)

Cancel

Create key pair

Step : 7

▼ Network settings [Info](#)

Network [Info](#)

vpc-0444f90cacfeb40c

Subnet [Info](#)

No preference (Default subnet in any availability zone)

Auto-assign public IP [Info](#)

Enable

Additional charges apply when outside of [free tier allowance](#)

Firewall (security groups) [Info](#)

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

☒ Create security group

☐ Select existing security group

We'll create a new security group called 'launch-wizard-4' with the following rules:

☒ Allow SSH traffic from

Helps you connect to your instance

Anywhere

0.0.0.0/0

☐ Allow HTTPS traffic from the internet

To set up an endpoint, for example when creating a web server

☐ Allow HTTP traffic from the internet

To set up an endpoint, for example when creating a web server

⚠ Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

▼ Summary

Number of instances [Info](#)

1

Software Image (AMI)

Canonical, Ubuntu, 24.04, amd6...[read more](#)

ami-053b12d3152c0cc71

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB

Cancel

Launch instance

[Preview code](#)

Step : 8

▼ Configure storage [Info](#)

Advanced

1x

8

GiB

gp3

Root volume (Not encrypted)

ⓘ Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage

Add new volume

The selected AMI contains more instance store volumes than the instance allows. Only the first 0 instance store volumes from the AMI will be accessible from the instance

🕒 Click refresh to view backup information

The tags that you assign determine whether the instance will be backed up by any Data Lifecycle Manager policies.

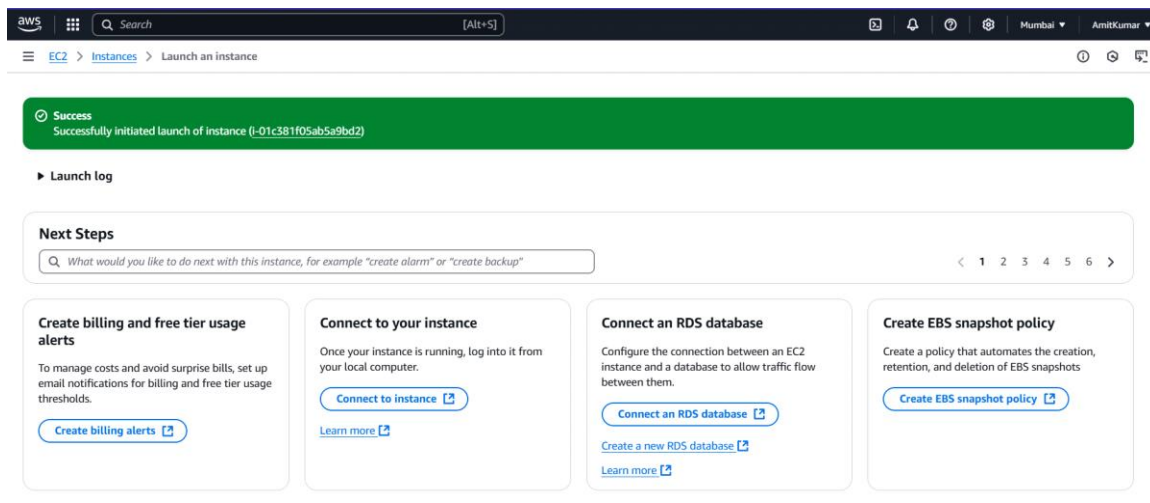
↻

0 x File systems

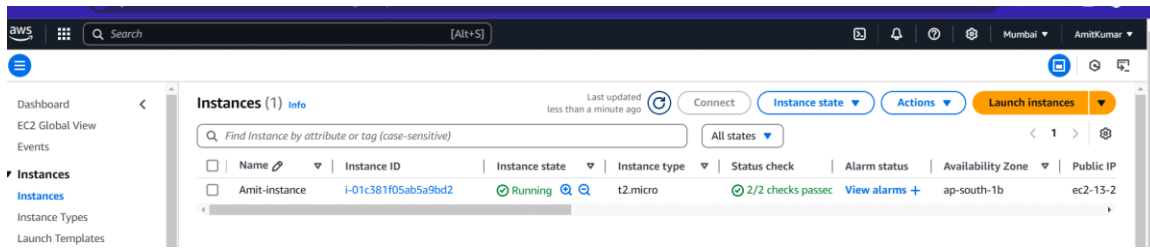
Edit

► Advanced details [Info](#)

Step : 9



Step : 10



- In this step, we are accessing instance --> Amit-instance

Step : 11

```
ubuntu@ip-172-31-9-119: ~$ ssh -i amits.pem ubuntu@ec2-13-235-70-67.ap-south-1.compute.amazonaws.com
Microsoft Windows [Version 10.0.22631.4602]
(c) Microsoft Corporation. All rights reserved.

C:\Users\AMIT KUMAR\Downloads>ssh -i amits.pem ubuntu@ec2-13-235-70-67.ap-south-1.compute.amazonaws.com
The authenticity of host 'ec2-13-235-70-67.ap-south-1.compute.amazonaws.com (13.235.70.67)' can't be established.
ED25519 key fingerprint is SHA256:tiJGYWmTsn1xk81VwvUGehkNXmqHL/pi/gbFLCv71M.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-13-235-70-67.ap-south-1.compute.amazonaws.com' (ED25519) to the list of known hosts.
Welcome to Ubuntu 24.04.1 LTS (GNU/Linux 6.8.0-1018-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/pro

System information as of Thu Jan  2 03:53:37 UTC 2025

System load:  0.0          Processes:      103
Usage of /:   24.7% of 6.71GB   Users logged in:  0
Memory usage: 20%          IPv4 address for enx0: 172.31.9.119
Swap usage:   0%

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

The list of available updates is more than a week old.
To check for new updates run: sudo apt update

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.
```

Step : 12

```
The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-172-31-9-119:~$ |
```

Step : 13

```
ubuntu@ip-172-31-9-119:~$ cat /etc/os-release
PRETTY_NAME="Ubuntu 24.04.1 LTS"
NAME="Ubuntu"
VERSION_ID="24.04"
VERSION="24.04.1 LTS (Noble Numbat)"
VERSION_CODENAME=noble
ID=ubuntu
ID_LIKE=debian
HOME_URL="https://www.ubuntu.com/"
SUPPORT_URL="https://help.ubuntu.com/"
BUG_REPORT_URL="https://bugs.launchpad.net/ubuntu/"
PRIVACY_POLICY_URL="https://www.ubuntu.com/legal/terms-and-policies/privacy-policy"
UBUNTU_CODENAME=noble
LOGO=ubuntu-logo
ubuntu@ip-172-31-9-119:~$ |
```

Step: 14

```
ubuntu@ip-172-31-9-119:~$ free -m
```

	total	used	free	shared	buff/cache	available
Mem:	957	331	469	0	308	626
Swap:	0	0	0			

```
ubuntu@ip-172-31-9-119:~$ |
```

Step : 15

```
ubuntu@ip-172-31-9-119:~$ ip a
```

```
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host noprefixroute
        valid_lft forever preferred_lft forever
2: enX0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 9001 qdisc fq_codel state UP group default qlen 1000
    link/ether 0a:b1:5b:fb:1f:b3 brd ff:ff:ff:ff:ff:ff
    inet 172.31.9.119/20 metric 100 brd 172.31.15.255 scope global dynamic enX0
        valid_lft 3473sec preferred_lft 3473sec
    inet6 fe80::8b1:5bff:febf:1fb3/64 scope link
        valid_lft forever preferred_lft forever
ubuntu@ip-172-31-9-119:~$ |
```

Step : 16

```
ubuntu@ip-172-31-9-119:~$ df -h
```

Filesystem	Size	Used	Avail	Use%	Mounted on
/dev/root	6.8G	1.7G	5.1G	25%	/
tmpfs	479M	0	479M	0%	/dev/shm
tmpfs	192M	876K	191M	1%	/run
tmpfs	5.0M	0	5.0M	0%	/run/lock
/dev/xvda16	881M	76M	744M	10%	/boot
/dev/xvda15	105M	6.1M	99M	6%	/boot/efi
tmpfs	96M	12K	96M	1%	/run/user/1000

```
ubuntu@ip-172-31-9-119:~$ |
```

